



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 147252

TO: Marcela Cordero Garcia
Location: 3C18
Art Unit: 1654
Friday, March 18, 2005

Case Serial Number: 10/646063

From: Mary Jane Ruhl
Location: Biotech-Chem Library
Remsen 1-A-62
Phone: 571-272-2524

maryjane.ruhl@uspto.gov

Search Notes

Examiner Cordero Garcia,

Here are the results for your recent search request.

Please feel free to contact me if you have any questions about these results.

Thank you for using STIC services. We appreciate the opportunity to serve you.

Sincerely,

Mary Jane Ruhl
Technical Information Specialist
STIC
Remsen 1-A-62
Ext. 22524

=> d his ful

(FILE 'HOME' ENTERED AT 13:12:00 ON 18 MAR 2005)

FILE 'HCAPLUS' ENTERED AT 13:12:09 ON 18 MAR 2005

E TEICHER MARTIN H/AU

L1 45 SEA ABB=ON ("TEICHER MARTIN"/AU OR "TEICHER MARTIN H"/AU)

E ANDERSEN NAVALTA/AU

L2 1 SEA ABB=ON "ANDERSEN NAVALTA SUSAN L"/AU

E NAVALTA SUSAN/AU

L3 1 SEA ABB=ON L1 AND L2

SELECT RN L3 1-1

FILE 'REGISTRY' ENTERED AT 13:13:07 ON 18 MAR 2005

L4 24 SEA ABB=ON (124-94-7/BI OR 50-24-8/BI OR 51333-22-3/BI OR
105702-59-8/BI OR 108-24-7/BI OR 115446-51-0/BI OR 144-62-7/BI
OR 152120-54-2/BI OR 152120-55-3/BI OR 174569-25-6/BI OR
25322-68-3/BI OR 35410-28-7/BI OR 4023-02-3/BI OR 4419-39-0/BI
OR 50-22-6/BI OR 663178-12-9/BI OR 663178-13-0/BI OR 663178-14-
1/BI OR 663178-15-2/BI OR 663178-16-3/BI OR 693-23-2/BI OR
7782-44-7/BI OR 9004-61-9/BI OR 9014-55-5/BI)

FILE 'HCAPLUS' ENTERED AT 13:13:14 ON 18 MAR 2005

L5 1 SEA ABB=ON L3 AND L4

FILE 'REGISTRY' ENTERED AT 13:24:34 ON 18 MAR 2005

L6 1 SEA ABB=ON 663178-13-0/RN

*requested compd. -
see yellow tab on
Inventor search*

FILE 'MARPAT' ENTERED AT 13:25:02 ON 18 MAR 2005

L7 0 SEA ABB=ON 663178-13-0/RN

L8 0 SEA ABB=ON 663178-13-0 *Ohits-Marpat*

FILE 'HCAPLUS' ENTERED AT 13:25:16 ON 18 MAR 2005

L9 1 SEA ABB=ON L6 *1 hit - CA Plus*

FILE 'BEILSTEIN' ENTERED AT 13:25:36 ON 18 MAR 2005

L10 0 SEA ABB=ON L6 *0 hits - Beilstein*

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 L6 1 SEA FILE=REGISTRY ABB=ON 663178-13-0/RN
 L9 1 SEA FILE=HCAPLUS ABB=ON L6

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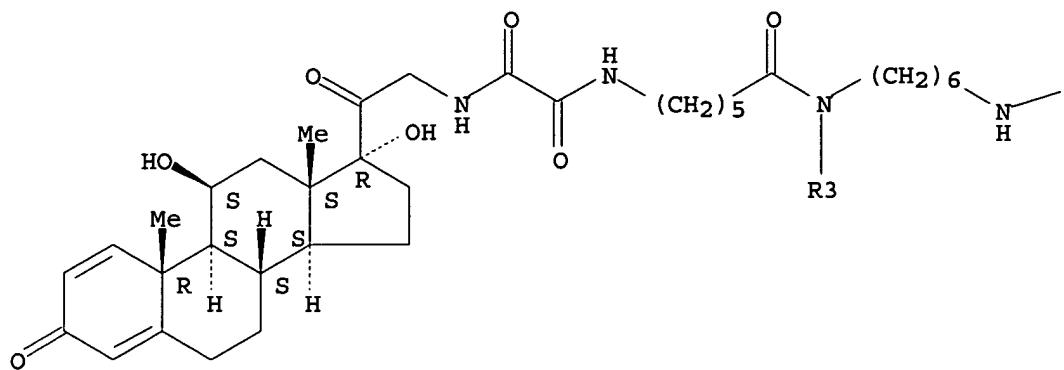
L9 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2004:182656 HCAPLUS
 DOCUMENT NUMBER: 140:193853
 TITLE: Preparation of corticosteroid conjugates and therapeutic uses thereof as anti-inflammatory agents
 INVENTOR(S): Teicher, Martin H.; Andersen-Navalta, Susan L.
 PATENT ASSIGNEE(S): The McLean Hospital Corporation, USA
 SOURCE: PCT Int. Appl., 40 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004017904	A2	20040304	WO 2003-US26233	20030822
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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PRIORITY APPLN. INFO.:			US 2002-405688P	P 20020823

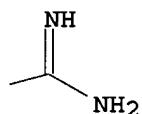
OTHER SOURCE(S): MARPAT 140:193853
 AB The invention features corticosteroids conjugated to either a charged group or a bulky group in a manner that resists in vivo cleavage, the resulting conjugate is a peripherally acting steroid with reduced activity in the central nervous system. The invention provides a method for treating a patient having an inflammatory disease by administering to the patient a corticosteroid conjugate.
 IT 663178-13-0P
 RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of corticosteroid conjugates and therapeutic uses thereof as anti-inflammatory agents)
 RN 663178-13-0 HCAPLUS
 CN Glycinamide, N-[(11 β)-11,17-dihydroxy-3,20-dioxopregna-1,4-dien-21-yl]-2-oxoglycyl-6-aminohexanoyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N2-[6-[(aminoiminomethyl)amino]hexyl] - (9CI) (CA INDEX NAME)

Absolute stereochemistry.

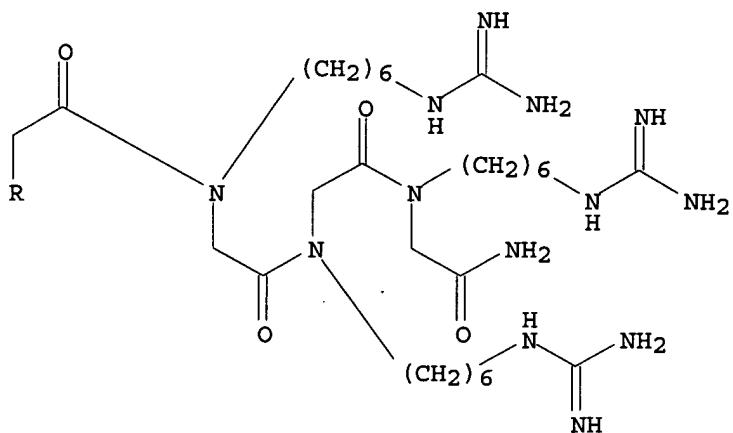
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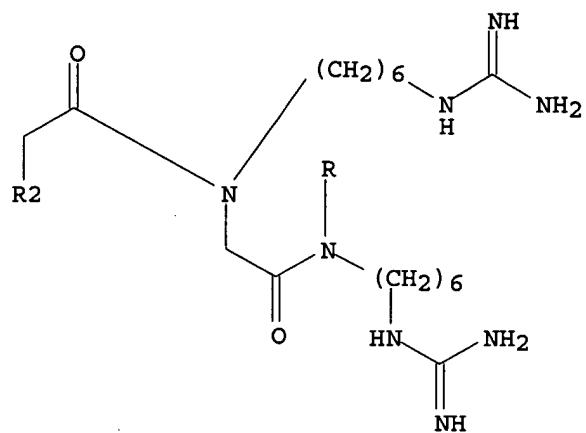
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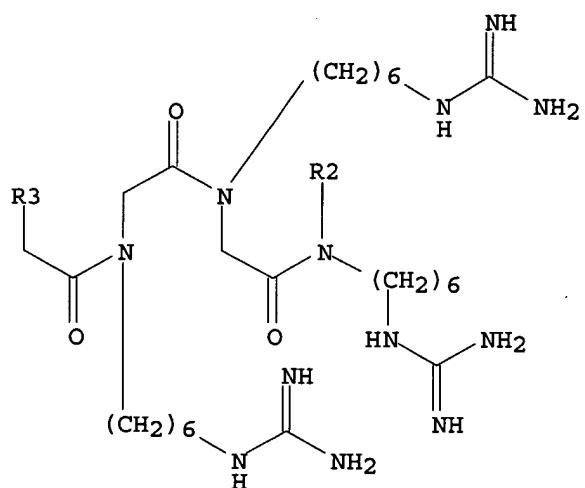
PAGE 2-A



PAGE 3-A



PAGE 4-A



Inventor Search

Cordero Garcia 10/646,063

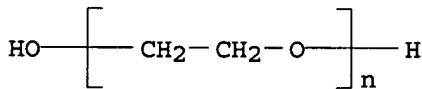
18/03/2005

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L5 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2004:182656 HCAPLUS
 DOCUMENT NUMBER: 140:193853
 TITLE: Preparation of corticosteroid conjugates and therapeutic uses thereof as anti-inflammatory agents
 INVENTOR(S): Teicher, Martin H.; Andersen-Navalta, Susan L.
 PATENT ASSIGNEE(S): The McLean Hospital Corporation, USA
 SOURCE: PCT Int. Appl., 40 pp.
 CODEN: PIXXD2
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 LANGUAGE: English
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004157810	A1	20040812	US 2003-646063	20030822
PRIORITY APPLN. INFO.:			US 2002-405688P	P 20020823

OTHER SOURCE(S): MARPAT 140:193853
 AB The invention features corticosteroids conjugated to either a charged group or a bulky group in a manner that resists in vivo cleavage, the resulting conjugate is a peripherally acting steroid with reduced activity in the central nervous system. The invention provides a method for treating a patient having an inflammatory disease by administering to the patient a corticosteroid conjugate.
 IT 9004-61-9, Hyaluronic acid 25322-68-3, Polyethylene glycol
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (-derived corticosteroid; preparation of corticosteroid conjugates and therapeutic uses thereof as anti-inflammatory agents)
 RN 9004-61-9 HCAPLUS
 CN Hyaluronic acid (8CI, 9CI) (CA INDEX NAME)
 *** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
 RN 25322-68-3 HCAPLUS
 CN Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- (9CI) (CA INDEX NAME)



IT 9014-55-5, Tyrosine aminotransferase
 RL: BSU (Biological study, unclassified); BIOL (Biological study)

(liver activity, corticosteroid conjugates-induce; preparation of corticosteroid conjugates and therapeutic uses thereof as anti-inflammatory agents)

RN 9014-55-5 HCAPLUS

CN Aminotransferase, tyrosine (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT 50-24-8DP, Prednisolone, C21 and polyguanidine peptoid derivs.

124-94-7DP, Triamcinolone, C16-C17 cyclic acetals and hyaluronic acid conjugates 51333-22-3DP, Budesonide, mPEG conjugates

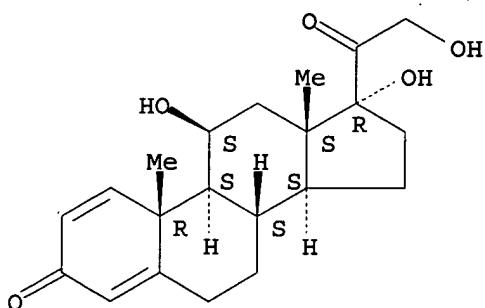
663178-13-0P 663178-15-2P 663178-16-3P

RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of corticosteroid conjugates and therapeutic uses thereof as anti-inflammatory agents)

RN 50-24-8 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 11,17,21-trihydroxy-, (11 β) - (9CI) (CA INDEX NAME)

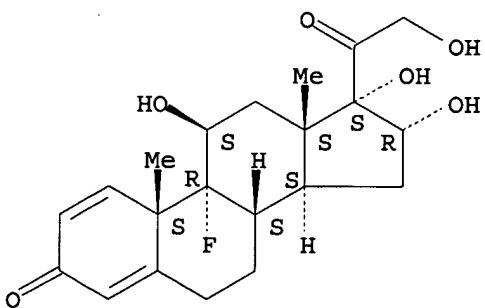
Absolute stereochemistry.



RN 124-94-7 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 9-fluoro-11,16,17,21-tetrahydroxy-, (11 β ,16 α) - (9CI) (CA INDEX NAME)

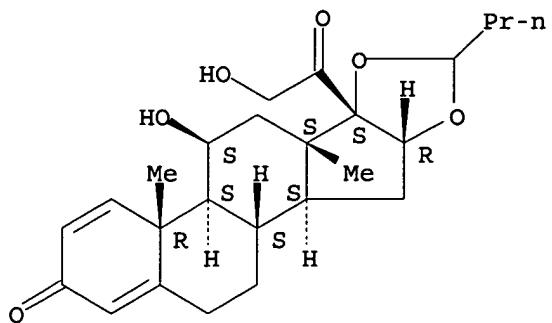
Absolute stereochemistry.



RN 51333-22-3 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 16,17-[butylidenebis(oxy)]-11,21-dihydroxy-, (11 β ,16 α) - (9CI) (CA INDEX NAME)

Absolute stereochemistry.

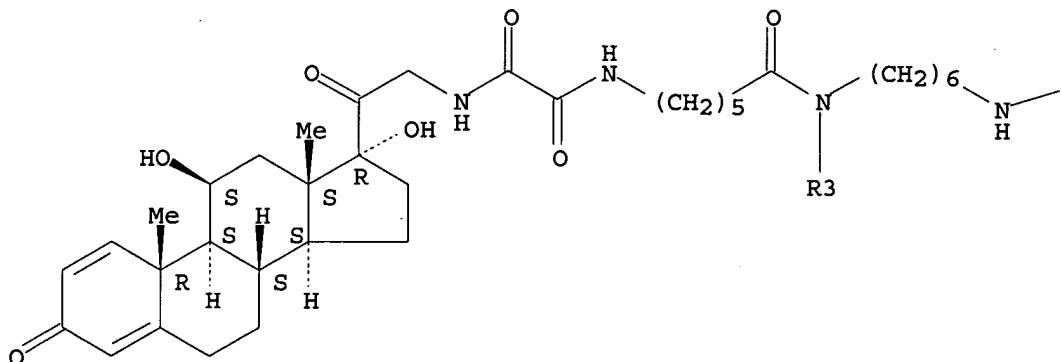


RN 663178-13-0 HCAPLUS

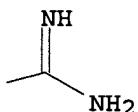
CN Glycinamide, N-[(11 β)-11,17-dihydroxy-3,20-dioxopregna-1,4-dien-21-yl]-2-oxoglycyl-6-aminohexanoyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N2-[6-[(aminoiminomethyl)amino]hexyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

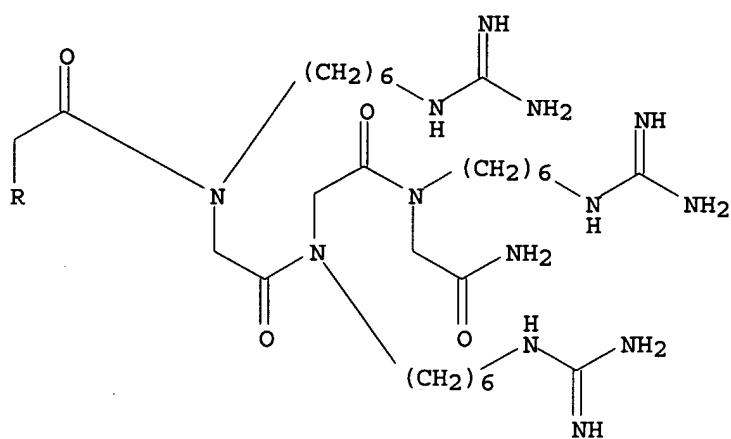
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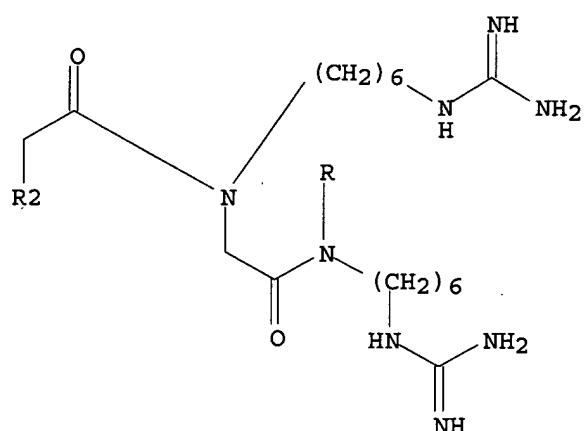
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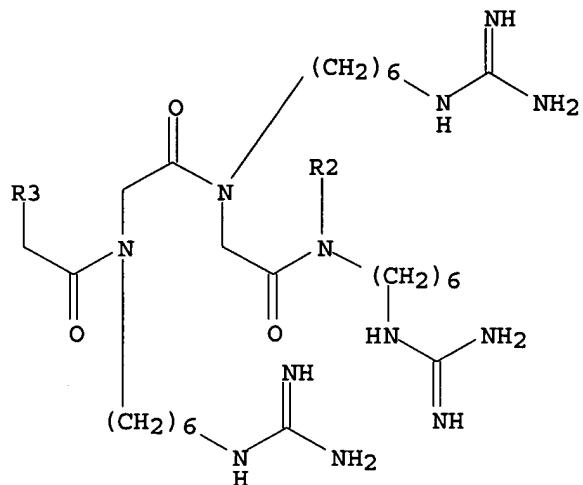
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PAGE 3-A



PAGE 4-A

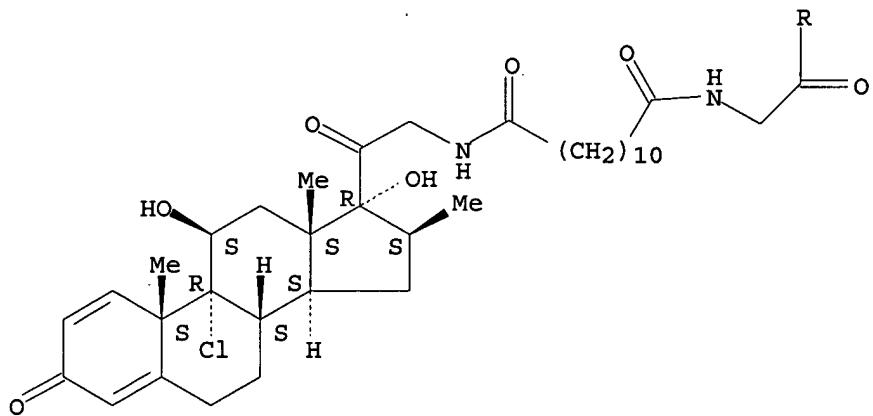


RN 663178-15-2 HCAPLUS

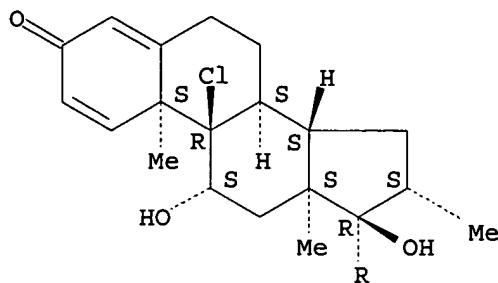
CN Dodecanediamide, N,N'-bis[(11β,16β)-9-chloro-11,17-dihydroxy-16-methyl-3,20-dioxopregna-1,4-dien-21-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



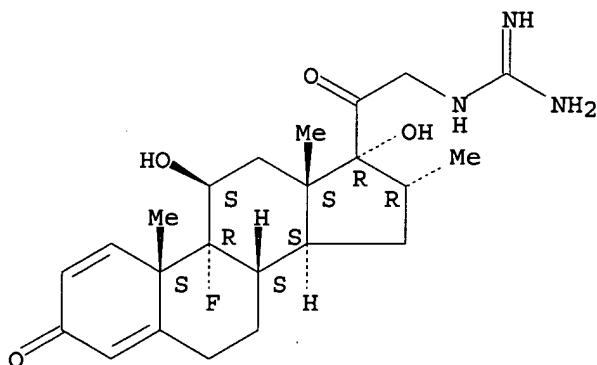
PAGE 2-A



RN 663178-16-3 HCAPLUS

CN Guanidine, [(11 β ,16 α)-9-fluoro-11,17-dihydroxy-16-methyl-3,20-dioxopregna-1,4-dien-21-yl] - (9CI) (CA INDEX NAME)

Absolute stereochemistry.



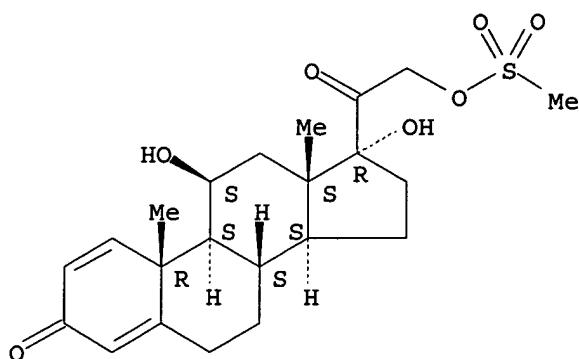
IT 35410-28-7 105702-59-8

RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (preparation of corticosteroid conjugates and therapeutic uses thereof as anti-inflammatory agents)

RN 35410-28-7 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 11,17-dihydroxy-21-[(methylsulfonyl)oxy]-, (11 β) - (9CI) (CA INDEX NAME)

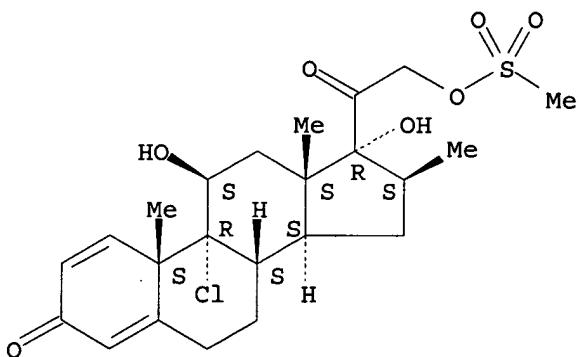
Absolute stereochemistry.



RN 105702-59-8 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 9-chloro-11,17-dihydroxy-16-methyl-21-[(methylsulfonyl)oxy]-, (11β,16β)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



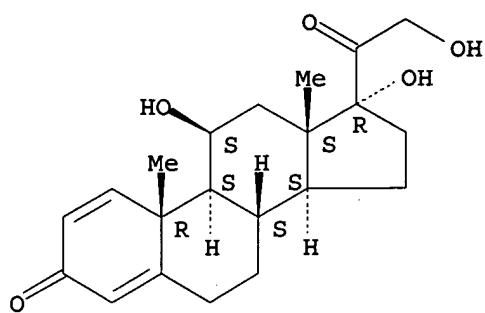
IT 50-24-8, Prednisolone 108-24-7, Acetic anhydride
 124-94-7, Triamcinolone 144-62-7, Oxalic acid, reactions
 693-23-2D, 1,10-Decanedicarboxylic acid, bis activated ester
 4023-02-3, 1H-Pyrazole-1-carboxamidine hydrochloride
 4419-39-0, Beclomethasone 51333-22-3, Budesonide
 115446-51-0 152120-54-2, 1H-Pyrazole-1-[N,N'-bis(tert-
 butoxycarbonyl)carboxamidine] 152120-55-3 174569-25-6
 663178-12-9

RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of corticosteroid conjugates and therapeutic uses thereof as
 anti-inflammatory agents)

RN 50-24-8 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 11,17,21-trihydroxy-, (11β)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

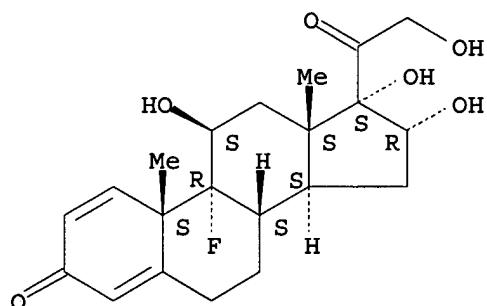


RN 108-24-7 HCAPLUS
 CN Acetic acid, anhydride (9CI) (CA INDEX NAME)

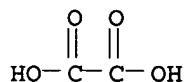
Ac—O—Ac

RN 124-94-7 HCAPLUS
 CN Pregna-1,4-diene-3,20-dione, 9-fluoro-11,16,17,21-tetrahydroxy-, (11 β ,16 α)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



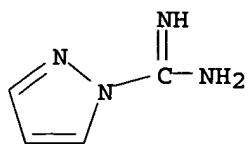
RN 144-62-7 HCAPLUS
 CN Ethanedioic acid (9CI) (CA INDEX NAME)



RN 693-23-2 HCAPLUS
 CN Dodecanedioic acid (6CI, 8CI, 9CI) (CA INDEX NAME)

$\text{HO}_2\text{C}-\text{(CH}_2\text{)}_{10}-\text{CO}_2\text{H}$

RN 4023-02-3 HCAPLUS
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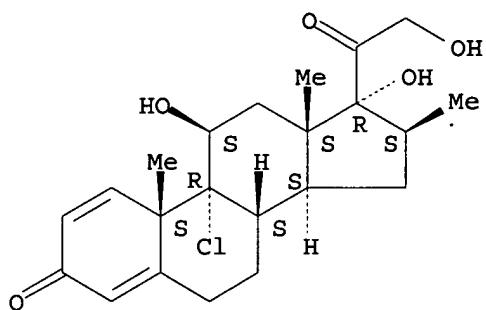


● HCl

RN 4419-39-0 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 9-chloro-11,17,21-trihydroxy-16-methyl-, (11 β ,16 β) - (9CI) (CA INDEX NAME)

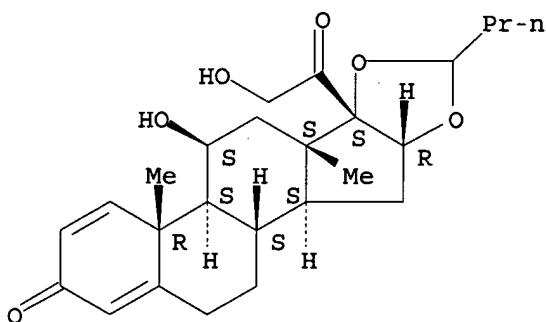
Absolute stereochemistry.



RN 51333-22-3 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 16,17-[butylidenebis(oxy)]-11,21-dihydroxy-, (11 β ,16 α) - (9CI) (CA INDEX NAME)

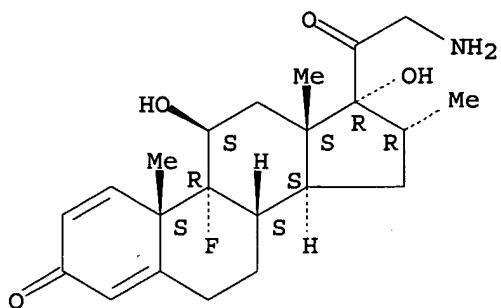
Absolute stereochemistry.



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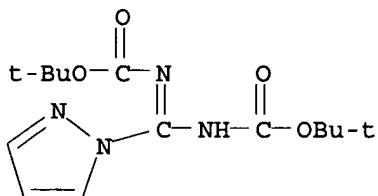
CN Pregna-1,4-diene-3,20-dione, 21-amino-9-fluoro-11,17-dihydroxy-16-methyl-, (11 β ,16 α) - (9CI) (CA INDEX NAME)

Absolute stereochemistry.



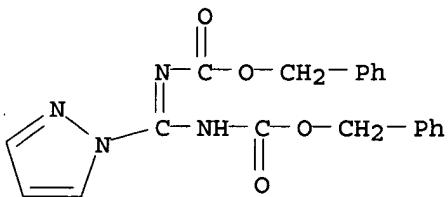
RN 152120-54-2 HCAPLUS

CN Carbamic acid, [[[[(1,1-dimethylethoxy)carbonyl]amino]-1H-pyrazol-1-ylmethylene]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

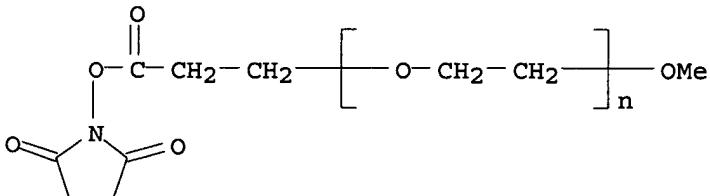


RN 152120-55-3 HCAPLUS

CN Carbamic acid, [[[[(phenylmethoxy)carbonyl]amino]-1H-pyrazol-1-ylmethylene]-, phenylmethyl ester (9CI) (CA INDEX NAME)



RN 174569-25-6 HCAPLUS

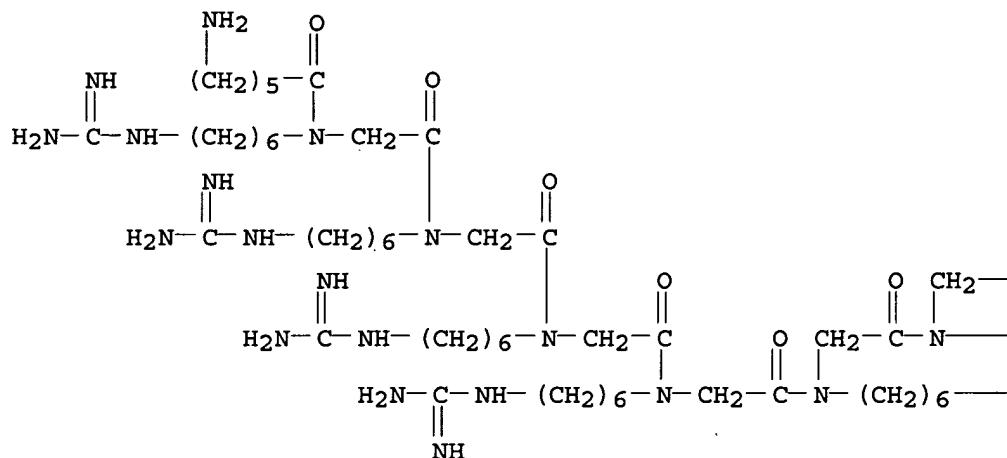
CN Poly(oxy-1,2-ethanediyl), α -[3-[(2,5-dioxo-1-pyrrolidinyl)oxy]-3-oxopropyl]- ω -methoxy- (9CI) (CA INDEX NAME)

RN 663178-12-9 HCAPLUS

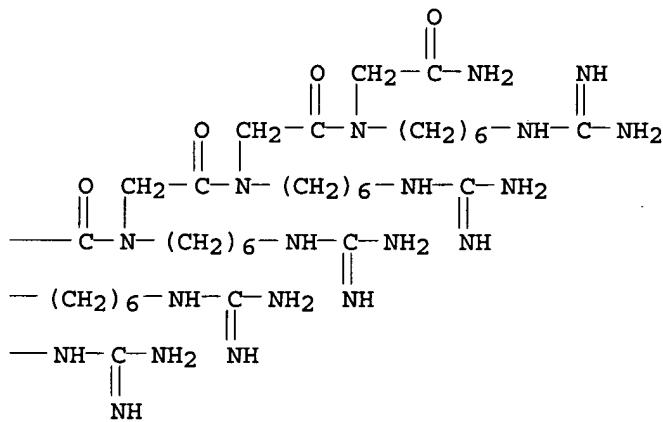
CN Glycinamide, N-[6-[(aminoiminomethyl)amino]hexyl]-N-(6-amino-1-oxohexyl)glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]

glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



IT 663178-14-1P

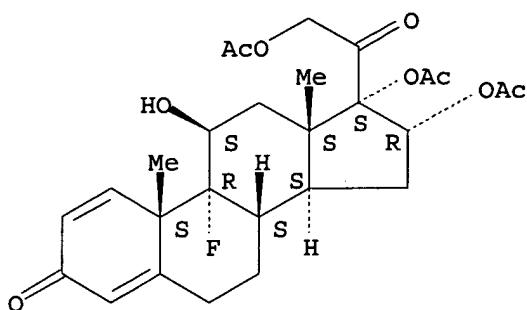
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of corticosteroid conjugates and therapeutic uses thereof as anti-inflammatory agents)

RN 663178-14-1 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 16,17,21-tris(acetyloxy)-9-fluoro-11-hydroxy-, (11 β ,16 α)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



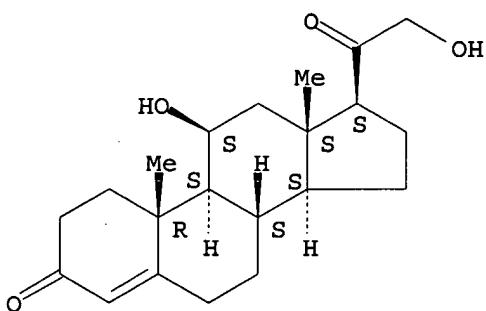
IT 50-22-6, Corticosterone

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(suppression following treatment; preparation of corticosteroid conjugates
and therapeutic uses thereof as anti-inflammatory agents)

RN 50-22-6 HCPLUS

CN Pregn-4-ene-3,20-dione, 11,21-dihydroxy-, (11 β)- (9CI) (CA INDEX
NAME)

Absolute stereochemistry.



IT 7782-44-7, Oxygen, biological studies

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(toxicity; preparation of corticosteroid conjugates and therapeutic uses
thereof as anti-inflammatory agents)

RN 7782-44-7 HCPLUS

CN Oxygen (8CI, 9CI) (CA INDEX NAME)

O=O

=> log hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

7.39 13.33

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION

CA SUBSCRIBER PRICE

-0.73 -0.73

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 13:13:56 ON 18 MAR 2005